

WHAT WE CLAIM IS:

1. An EL phosphor multilayer thin film, wherein:
a phosphor thin film and a dielectric thin film are stacked
one upon another,
- 5 said phosphor thin film comprising a matrix material
containing as a main component at least one compound selected
from an alkaline earth thioaluminate, an alkaline earth
thiogallate and an alkaline earth thioindate, and an rare earth
element as a luminescent center, and
- 10 said dielectric thin film comprising an alkaline earth
oxide.
2. The EL phosphor multilayer thin film according to
claim 1, wherein said matrix material is a barium thioaluminate.
3. The EL phosphor multilayer thin film according to
15 claim 1, wherein said rare earth element is Eu.
- 4 The EL phosphor multilayer thin film according to
claim 1, wherein said alkaline earth oxide is a perovskite oxide.
5. The EL phosphor multilayer thin film according to
claim 1, wherein said alkaline earth oxide is barium titanate.
- 20 6. The EL phosphor multilayer thin film according to
claim 1, wherein said dielectric thin film has a specific
dielectric constant of 100 or greater.
7. The EL phosphor multilayer thin film according to
claim 1, wherein said dielectric thin film has a thickness of
25 100 nm or greater.
8. An EL device comprising an EL phosphor multilayer thin
film as recited in claim 1.

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